

THE INSTALLATION STSTEMS

Conforms to OSHA HazCom 2012 Standard and WHMIS 2015

SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name:	MegaLite® RS Ultimate Rapid Setting Crack Prevention
	Large Format Tile Mortar

Product Code: Not Available

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Mortar

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address:	Custom Building Products
	Five Concourse Parkway, Suite 1900
	Atlanta, GA 30328

Telephone Number: 1-(800)-272-8786

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone	INFOTRAC 1-800-535-5053 (US and Canada)
Number:	INTERNATIONAL + 1-352-323-3500

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Skin Irritation	Category 2
Serious Eye Damage	Category 1
Skin Sensitization	Category 1B
Specific Target Organ Toxicity—Single Exposure	Category 3
Specific Target Organ Toxicity—Repeated Exposure	Category 1
Carcinogenicity	Category 1A

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

- 2.2a SIGNAL WORD: DANGER!
- 2.2b HAZARD STATEMENTS

Causes skin irritation Causes serious eye damage May cause an allergic skin reaction May cause respiratory irritation Causes damage to lungs through prolonged or repeated inhalation of dust May cause cancer through inhalation of dust



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2.2c HAZARD PICTOGRAMS



2.2d PRECAUTIONARY STATEMENTS

i.	PREVENTION	Wash hands thoroughly after handling. Do not breathe dust. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection.
ii.	RESPONSE	If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.
iii.	STORAGE	Store in a well-ventilated place. Store locked up. Keep container tightly closed.
iv.	DISPOSAL	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

2.3 ADDITIONAL INFORMATION

2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED Not Applicable

2.3b UNKNOWN ACUTE TOXICITY

7.9% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Calcium Aluminate Cement	65997-16-2	10 - 30%*
Soda Lime Glass	65997-17-3	10 - 30%*
Portland Cement	65997-15-1	10 - 30%*
Crystalline Silica, Quartz	14808-60-7	0.1 – 1.0%*

*Means that the component will fall into one the ranges specified due to batch-to-batch variability.

Section 4: FIRST-AID MEASURES



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4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION	
Eye Contact:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.	
Skin Contact:	Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.	
Inhalation:	May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.	
Ingestion:	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.	
4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED		
Note to Physicians:	Symptoms may not appear immediately.	
Specific Treatments:	In case of accident or if you feel unwell, seek medical advice	

Section 5: FIRE-FIGHTING MEASURES

immediately (show the label or SDS where possible).

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA



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- 5.2a. Suitable Extinguishing Media: Treat for surrounding material.
- 5.2b. Unsuitable Extinguishing Media: Not Available

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Products of Combustion: May include, and are not limited to: oxides of carbon and hydrogen sulfide

5.3b. Explosion Data

- i. Sensitivity to Mechanical Impact: Not Available
- ii. Sensitivity to Static Discharge: Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS Keep upwind of fire. Wear full fire fighting turn-out gear(full bunker gear) and respiratory protection

Keep upwind of fire. Wear full fire fighting turn-out gear(full bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment:	Recover all usable material. Pick up large pieces, and then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for Cleaning-Up:	Vacuum or sweep material and place in a disposal container. Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling:	Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust. Do not take internally.
General Hygiene Advice:	Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.



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7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage:

Keep out of the reach of children. Store locked up. Keep container tightly closed. Store at room temperature and keep containers closed when not in use. Keep dry until use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER Exposure Guidelines:

Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Calcium Aluminate Cement	5 mg/m³ (Resp.) 15 mg/m³ (Total)	10 mg/m³ (Resp.)
Soda Lime Glass	5 mg/m³ (Resp.) 15 mg/m³ (Total)	Not Available
Portland Cement	5 mg/m³ (Resp.) 15 mg/m³ (Total)	10 mg/m³ (Resp.)
Crystalline Silica, Quartz	0.1 mg/m ³	0.025 mg/m³ (Resp.)

8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTION MEASURES

8.3a. Personal Protective Equipment:

i. **Eye/Face Protection:** Wear approved eye/face protection [properly fitted dust- or splashproof chemical safety goggles/face (face shield)]

ii. Skin Protection:

- 1. Hand Protection: Wear impervious gloves, such as nitrile.
- 2. Body Protection: Wear suitable protective clothing
- iii. Respiratory Protection: A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
- iv. General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):

Solid Powder(Gray Or White)



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Odor:	Characteristic	
Odor Threshold:	Not Available	
pH:	10.0 – 12.5 when wet	
Melting point/Freezing point:	Not Available	
Initial boiling point and boiling range:	Not Available	
Flash point:	>212°F(>100°C)	
Evaporation rate (Water=1):	Not Available	
Flammability:	Not Flammable/Not Combustible	
Upper Flammability/Explosive Limit:	Not Available	
Lower Flammability/Explosive Limit:	Not Available	
Vapor Pressure	Not Available	
Vapor Density:	Not Available	
Relative Density:	1.0 – 1.3 g/mL	
Solubility in Water:	Slightly Soluble	
Partition coefficient: n-octanol/water:	Not Available	
Auto-ignition temperature:	Not Available	
Decomposition Temperature:	Not Available	
Viscosity (cps):	Not Available	
VOC Content:	0 g/L	

Section 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

10.3. POSSIBILITY OF HAZARDOUS REACTION No dangerous reaction known under conditions of normal use.

10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5. INCOMPATIBLE MATERIALS

Strong acids. Strong Oxidizers.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield oxides of carbon and hydrogen sulfide.

Section 11: TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, skin absorption, eye contact, inhalation, and ingestion.

11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.



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- **Skin Contact:** Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.
 - **Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.
 - **Ingestion:** May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

Acute Toxicity(ATE _{mix} = 4,159 mg/kg)			
Chemical Name	LC50	LD50	
Calcium Aluminate Cement	Not Available	Oral: >2,000 mg/kg, rat	
Soda Lime Glass	Not Available	Oral: >10,000 mg/kg, rat	
Portland Cement	Not Available	Oral: >5,000 mg/kg, rat	
Crystalline Silica, Quartz	Not Available	Oral: >10,000 mg/kg, rat	

Carcinogenicity		
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)	
Calcium Aluminate Cement	Not Listed	
Soda Lime Glass	Not Listed	
Portland Cement	ACGIH-A4	
Crystalline Silica, Quartz	N-A2, I-1, O-1, ACGIH-A2, CP65	

11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

SHORT-TERM	
Skin Corrosion/Irritation:	Causes skin irritation
Serious Eye Damage/Irritation:	Causes severe eye damage
Respiratory Sensitization:	Not Classified
Skin Sensitization:	May cause an allergic skin reaction
STOT-Single Exposure:	May cause respiratory irritation
Aspiration Hazard:	Not Classified
LONG-TERM	
Carcinogenicity:	May cause cancer through inhalation of dust
Germ Cell Mutagenicity:	Not Classified
Reproductive Toxicity:	Not Classified
STOT-Repeated Exposure:	Causes damage to lungs through prolonged or repeated
· · ·	inhalation of dust
Synergistic/Antagonistic Effects:	Not Classified

Section 12: ECOLOGICAL INFORMATION

12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity



TILE INSTALLATION SYSTEMS

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Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Calcium Aluminate Cement	Not Available	Not Available
Soda Lime Glass	Not Available	Not Available
Portland Cement	Not Available	Not Available
Crystalline Silica, Quartz	Not Available	Not Available

12.2. PERSISTENCE AND DEGRADABILITY Not Available

12.3. BIOACCUMULATIVE POTENTIAL Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. OTHER ADVERSE EFFECTS

Not Available

Section 13: DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

13.2. OTHER DISPOSAL CONSIDERATIONS Not Available

Section 14: TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)	ΙΑΤΑ
UN NUMBER:	UN NUMBER:	UN NUMBER:
Not Regulated	Not Regulated	Not Regulated
UN PROPER SHIPPING NAME:	UN PROPER SHIPPING NAME:	UN PROPER SHIPPING NAME:
Not Regulated	Not Regulated	Not Regulated
TRANSPORT HAZARD CLASS (ES):	TRANSPORT HAZARD CLASS (ES):	TRANSPORT HAZARD CLASS (ES):
Not Regulated	Not Regulated	Not Regulated
PACKING GROUP (if applicable):	PACKING GROUP (if applicable):	PACKING GROUP (if applicable):
Not Regulated	Not Regulated	Not Regulated

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

14.1. ENVIRONMENTAL HAZARDS



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Not Available

14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE Not Available

14.3. SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

US: SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

15.2. US FEDERAL INFORMATION:

	SARA TITLE III			
CHEMICAL NAME	SECTION 302 (EHS) TPQ (LBS)	SECTION 304 EHS RQ (LBS)	CERCLA RQ (LBS)	SECTION 313 (TRI)
Calcium Aluminate Cement	Not Listed	Not Listed	Not Listed	Not Listed
Soda Lime Glass	Not Listed	Not Listed	Not Listed	Not Listed
Portland Cement	Not Listed	Not Listed	Not Listed	Not Listed
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed

15.3. US STATE RIGHT TO KNOW LAWS:

California Proposition 65:	WARNING: This product can expose you to chemicals including Crystalline Silica which is known to the State of California to cause cancer and Hexavalent Chromium Compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
Other U.S. States "Right to Know" Lists:	
New Jersey:	Calcium Aluminate Cement: CAS#65997-16-2 Soda Lime Glass: CAS#65997-17-3 Portland Cement: CAS#65997-15-1 Gypsum (Calcium Sulfate): CAS#7778-18-9 Silica, Quartz: CAS#14808-60-7
Pennsylvania:	Calcium Aluminate Cement: CAS#65997-16-2 Soda Lime Glass: CAS#65997-17-3 Portland Cement: CAS#65997-15-1 Gypsum (Calcium Sulfate): CAS#7778-18-9 Silica, Quartz: CAS#14808-60-7
Massachusetts:	Calcium Aluminate Cement: CAS#65997-16-2 Soda Lime Glass: CAS#65997-17-3 Portland Cement: CAS#65997-15-1



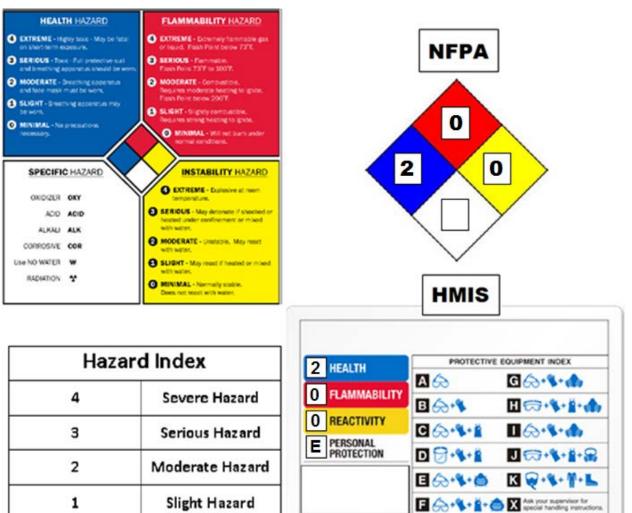
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	Gypsum (Calcium Sulfate): CAS#7778-18-9 Silica, Quartz: CAS#14808-60-7
Minnesota:	Calcium Aluminate Cement: CAS#65997-16-2 Soda Lime Glass: CAS#65997-17-3 Portland Cement: CAS#65997-15-1
	Gypsum (Calcium Sulfate): CAS#7778-18-9 Silica, Quartz: CAS#14808-60-7
Florida:	Not Available
Michigan:	Not Available

15.4. GLOBAL INVENTORIES

Chemical Name	USA TSCA	Canada DSL/NDSL
Calcium Aluminate Cement	Yes	DSL
Soda Lime Glass	Yes	DSL
Portland Cement	Yes	DSL
Crystalline Silica, Quartz	Yes	DSL

15.5. NFPA AND HMIS RATINGS:





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15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65	California Proposition 65		
OSHA (O)	Occupational Safety and Health Administration		
ACGIH (G)	American Conference of Governmental Industrial Hygienists		
	 A1 – Confirmed human carcinogen 		
	A2 – Suspected human carcinogen		
	A3 – Animal carcinogen		
	 A4 – Not classifiable as a human carcinogen 		
	A5 – Not suspected a human carcinogen		
IARC (I)	International Agency for Research on Cancer		
	 1 – The agent (mixture) is carcinogenic to humans 		
	• 2A – The agent (mixture) is probably carcinogenic to humans; there		
	is limited evidence of carcinogenicity in humans and sufficient		
	evidence of carcinogenicity in experimental animals.		
	 2B – The agent (mixture) is possibly carcinogenic to humans; there 		
	is limited evidence of carcinogenicity in humans in the absence of		
	sufficient evidence of carcinogenicity in experimental animals.		
	• 3 – The agent (mixture, exposure circumstance) is not classifiable		
	as to its carcinogenicity to humans.		
	 4 – The agent (mixture, exposure circumstance) is probably not 		
	carcinogenic to humans.		
NTP (N)	National Toxicology Program		
	 1 – Known to be carcinogens 		
	 2 – Reasonably anticipated to be carcinogens 		

Section 16: OTHER INFORMATION			
November 10, 2014			
2.1			
August 16, 2017			
	November 10, 2014 2.1		

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

Prepared by:

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End of Safety Data Sheet